

What is claimed is:

1 1. An electronic peripheral device for coupling to an
2 electronic system, the electronic system being selectively
3 coupled to a first wireless network or a second wireless
4 network by the electronic peripheral device, the electronic
5 peripheral device comprising:

6 a first module with which the electronic system
7 accesses the first wireless network, comprising a
8 first interface; and

9 a second module with which the electronic system
10 accesses the second wireless network, comprising:

11 a second interface coupled to the first interface
12 for transmitting a plurality of signals
13 between the first module and the second
14 module;

15 a third interface coupled to the electronic system
16 for transmitting a plurality of first
17 signals or a plurality of second signals
18 between the electronic system and the second
19 module; and

20 a processor for controlling the transmission of
21 the first signals and second signals;

22 wherein when the electronic system is coupled to
23 the first wireless network, the first module
24 transmits the first signals received from
25 the first wireless network to the electronic
26 system through the first interface, the
27 second interface, and the third interface in

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28 order, and transmits the first signals
29 received from the first interface to the
30 first wireless network; and when the
31 electronic system is coupled to the second
32 wireless network, the second module
33 transmits the second signals received from
34 the second wireless network to the
35 electronic system through the third
36 interface, and transmits the second signals
37 received from the third interface to the
38 second wireless network.

1 2. The electronic peripheral device as claimed in
2 claim 1, wherein the first wireless network is a General
3 Packet Radio Service (GPRS) network:

1 3. The electronic peripheral device as claimed in
2 claim 1, wherein the first wireless network is a Global
3 System for Mobile Communications (GSM) network.

1 4. The electronic peripheral device as claimed in
2 claim 1, wherein the second wireless network is a Wireless
3 Local Area Network (WLAN).

1 5. The electronic peripheral device as claimed in
2 claim 1, wherein the first interface and the second
3 interface are Universal Serial Bus (USB) interfaces.

1 6. The electronic peripheral device as claimed in
2 claim 1; wherein the first interface and the second
3 interface are Universal Asynchronous Receiver/Transmitter
4 (UART) interfaces.

1 7. The electronic peripheral device as claimed in
2 claim 1, wherein the third interface is a Personal Computer
3 Memory Card International Association (PCMCIA) interface.

1 8. The electronic peripheral device as claimed in
2 claim 1, wherein the third interface is a Personal Component
3 Interconnect (PCI) interface.

1 9. The electronic peripheral device as claimed in
2 claim 1, wherein the third interface is a CardBus interface.

1 10. The electronic peripheral device as claimed in
2 claim 1, wherein the third interface is a USB interface.

1 11. A network card for coupling to an electronic
2 system, the electronic system being selectively coupled to a
3 first wireless network or a second wireless network,
4 comprising:

5 a first module for accessing the first wireless
6 network, comprising a first interface; and

7 a second module for accessing the second wireless
8 network, comprising:

9 a second interface coupled to the first interface
10 for transmitting a plurality of first
11 signals between the first module and the
12 second module;

13 a third interface for coupling to the electronic
14 system for transmitting the first signals or
15 a plurality of second signals between the
16 electronic system and the second module; and

17 a processor for controlling the transmission of
18 the first signals and the second signals;
19 wherein when the electronic system is coupled to
20 the first wireless network, the first module
21 communicated with the electronic by the
22 first signals; and when the electronic
23 system is coupled to the second wireless
24 network, the second module communicated with
25 the electronic by the second signals.

1 12. The network card as claimed in claim 11, wherein
2 the first wireless network is a GPRS network.

1 13. The network card as claimed in claim 11, wherein
2 the first wireless network is a GSM network.

1 14. The network card as claimed in claim 11, wherein
2 the second wireless network is a WLAN.

1 15. The network card as claimed in claim 11, wherein
2 the first interface and the second interface are USB
3 interfaces.

1 16. The network card as claimed in claim 11, wherein
2 the first interface and the second interface are UART
3 interfaces.

1 17. The network card as claimed in claim 11, wherein
2 the third interface is a PCMCIA interface.

1 18. The network card as claimed in claim 11, wherein
2 the third interface is a PCI interface.

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1 19. The network card as claimed in claim 11, wherein
2 the third interface is a CardBus interface.

1 20. A network card for coupling to a first connecting
2 interface of an electronic system, the electronic system is
3 selectively coupled to a first wireless network or a second
4 wireless network by the network card,, the network card
5 comprising:

6 a first wireless module for accessing the first
7 wireless network; and

8 a second wireless module for accessing the second
9 wireless network and coupling to the first
10 wireless module, the second wireless module
11 comprising:

12 a second connecting interface coupled to the
13 first connecting interface; and

14 a processor for controlling the transmission
15 between the electronic system and the
16 first wireless module or the
17 transmission between the electronic
18 system and the second wireless module;

19 wherein when the electronic system is coupled
20 to the first wireless network, the
21 transmission between the electronic
22 system and the first wireless module
23 passing through the second wireless
24 module; when the electronic system is
25 coupled to the second wireless network,
26 the transmission between the electronic

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27 system and the second wireless module
28 transmitting directly.